

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,698,241 B1
APPLICATION NO. : 09/786668
DATED : March 2, 2004
INVENTOR(S) : Schwarzer

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Formal drawings are attached to replace the informal drawings printed in the patent

Column 10, line 36, change "press" to --pressing--

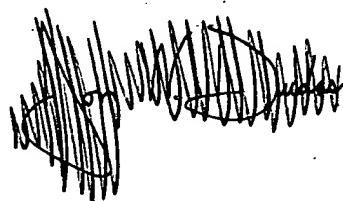
SCAN
NEW
TITLE
PAGE
ATTACHED

Delete the title page, showing an illustrative figure and substitute the attached title page.

Delete drawing sheet 1-8 and substitute the attached sheets containing figures 1-9.

This certificate supersedes certificate of correction
issued January 8, 2008.

Signed and Sealed this
Eight Day of January, 2008


John M. Gandy
Commissioner of Patents and Trademarks
United States Patent and Trademark Office



US006698241B1

(12) United States Patent
Schwarzer(10) Patent No.: US 6,698,241 B1
(45) Date of Patent: Mar. 2, 2004

(54) METHOD AND DEVICE FOR PRESSING A GOB

(75) Inventor: Siegfried Schwarzer, Stöckse (DE)

(73) Assignee: Hermann Heye, Obernkirchen (DE)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 286 days.

(21) Appl. No.: 09/786,668

(22) PCT Filed: Jul. 25, 2000

(86) PCT No.: PCT/EP00/07088

§ 371 (c)(1),
(2), (4) Date: Mar. 8, 2001

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PCT Pub. Date: Feb. 8, 2001

(30) Foreign Application Priority Data

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(51) Int. Cl.⁷ C03B 11/06; C03B 11/16

(52) U.S. Cl. 65/29.12; 65/76; 65/79; 65/158; 65/160; 65/229; 65/362

(58) Field of Search 65/29.12, 29.18, 65/76, 79, 158, 160, 229, 323, 362

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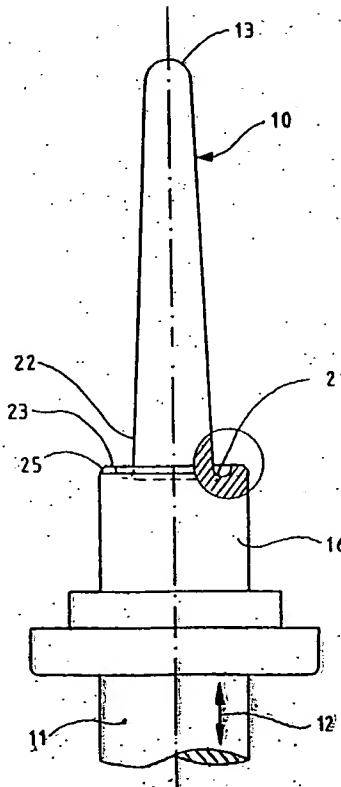
Primary Examiner—Sean Vincent

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(57) ABSTRACT

Method and apparatus for pressing a parison. A parison mold is composed of neck tool halves and parison mold halves. A gob of molten glass had first been introduced through an upper loading orifice into a cavity of the parison mold, while a pressing plunger was located in a lower loading position. An assembly consisting of a pressing element, a guide sleeve and a piston-cylinder unit was introduced into the loading orifice. Subsequently the pressing plunger was raised from its loading position into the illustrated upper end operating position until its annular end face had moved into position against a stop surface of the neck tool. Following the preliminary pressing process a neck chamber in the cavity is still free from molten glass. It is only at this point that the pressing element exerts pressure on a base of the parison which is being produced. The molten glass is also pressed into the hitherto still free neck chamber of the cavity. The finish-pressing process of the parison is thus completed and the parison mold can be opened for the purpose of transferring the parison into a finish-forming station.

23 Claims, 8 Drawing Sheets



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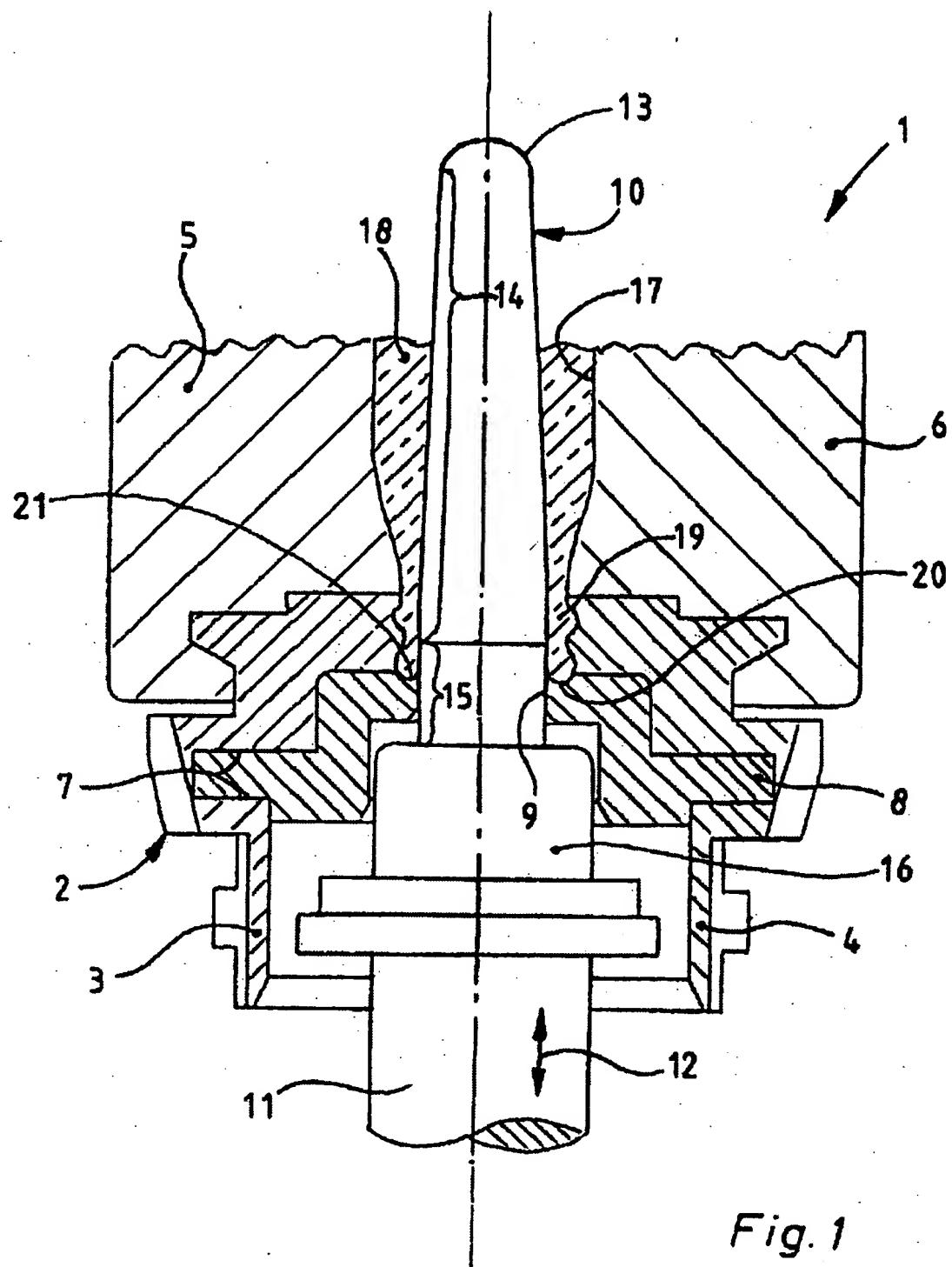


Fig. 1
(PRIOR ART)

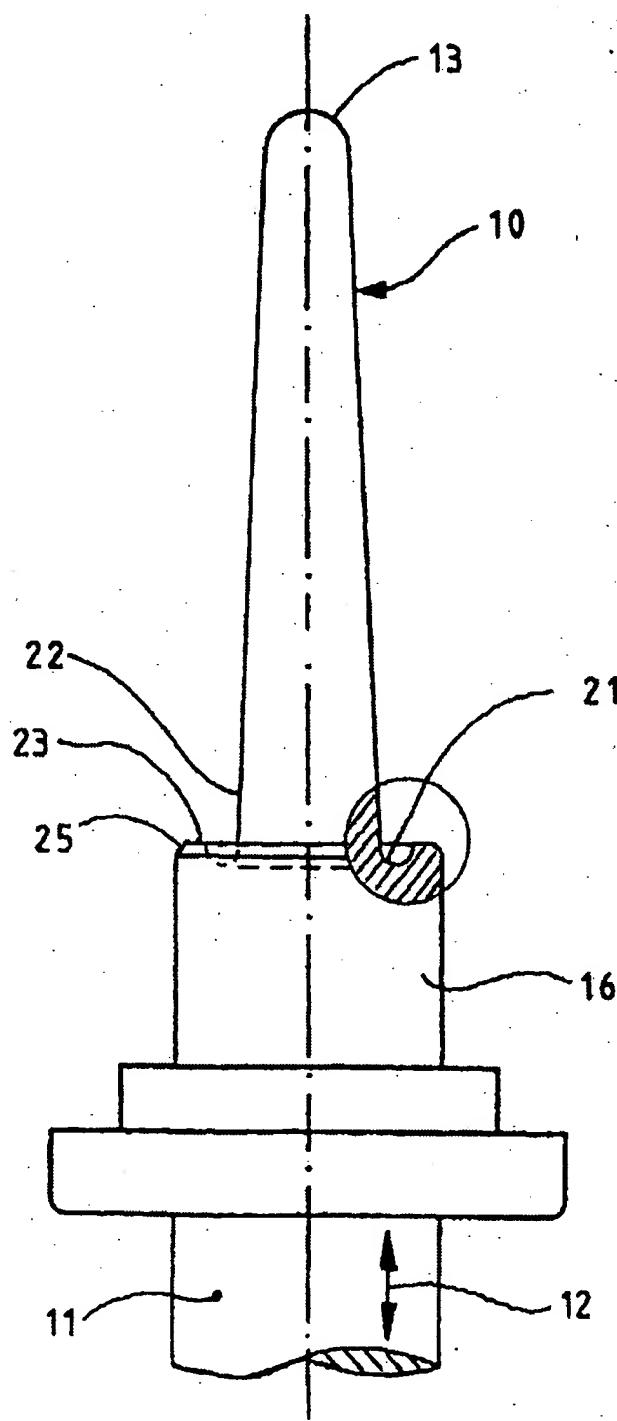
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Fig. 2



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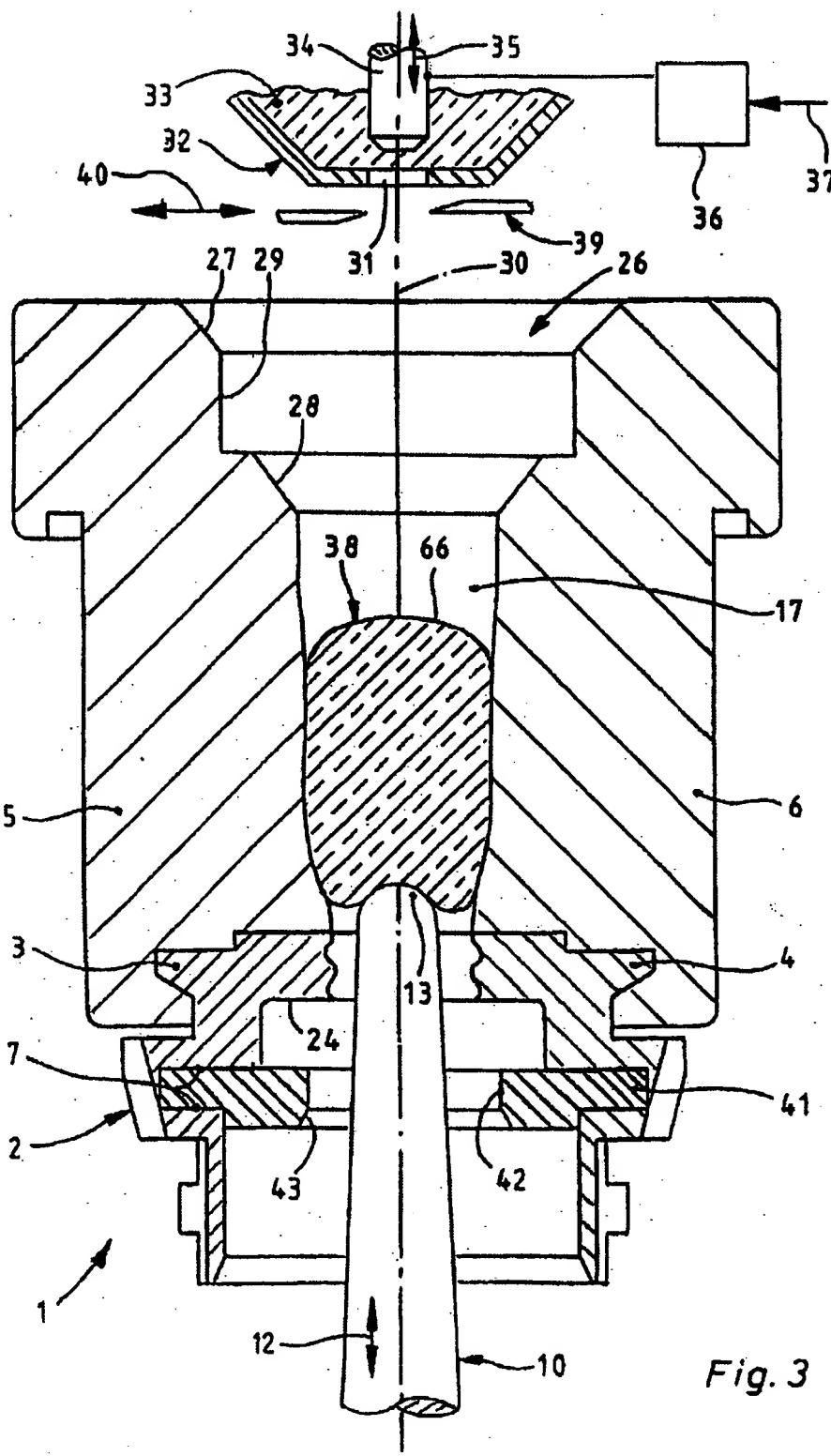


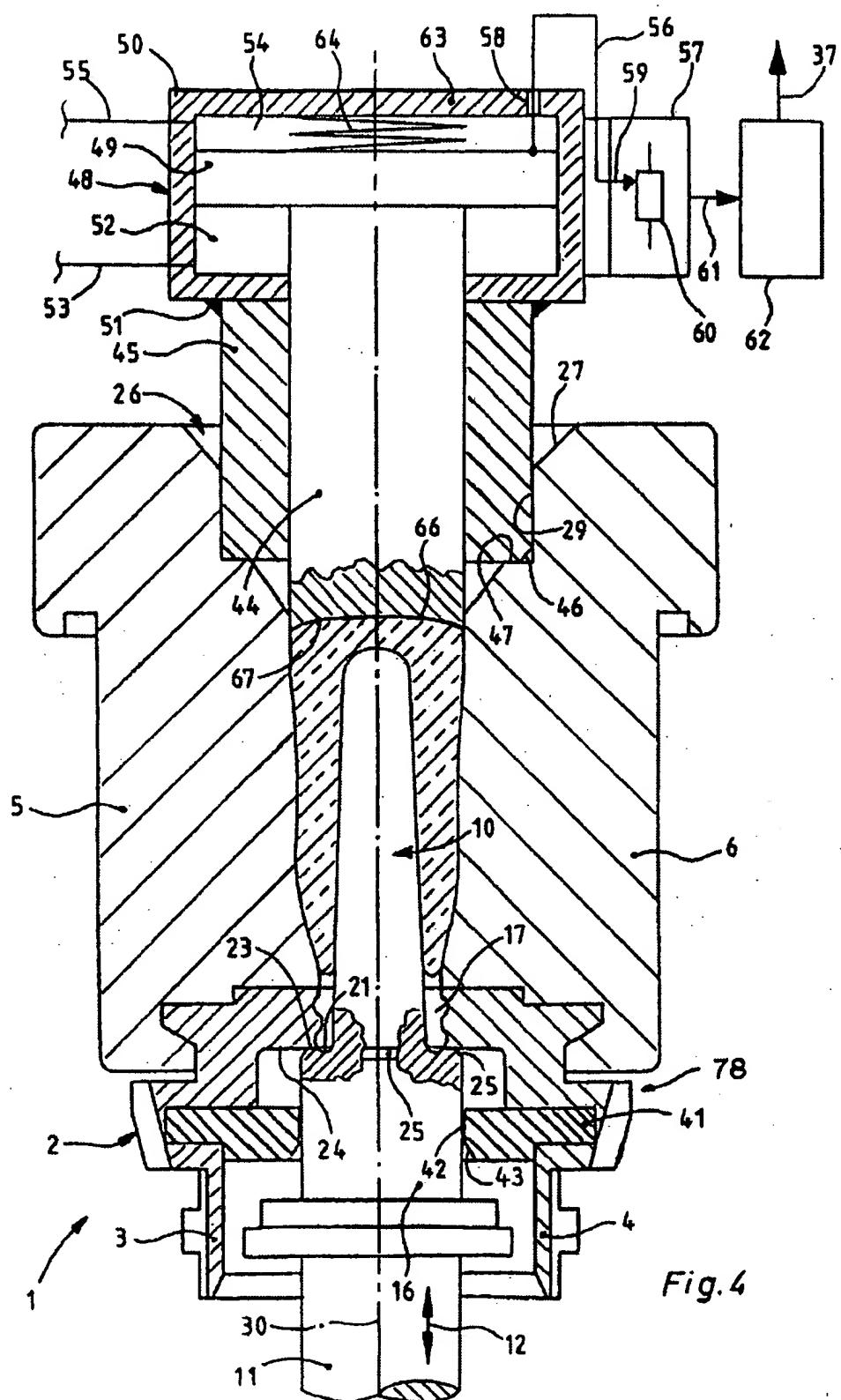
Fig. 3

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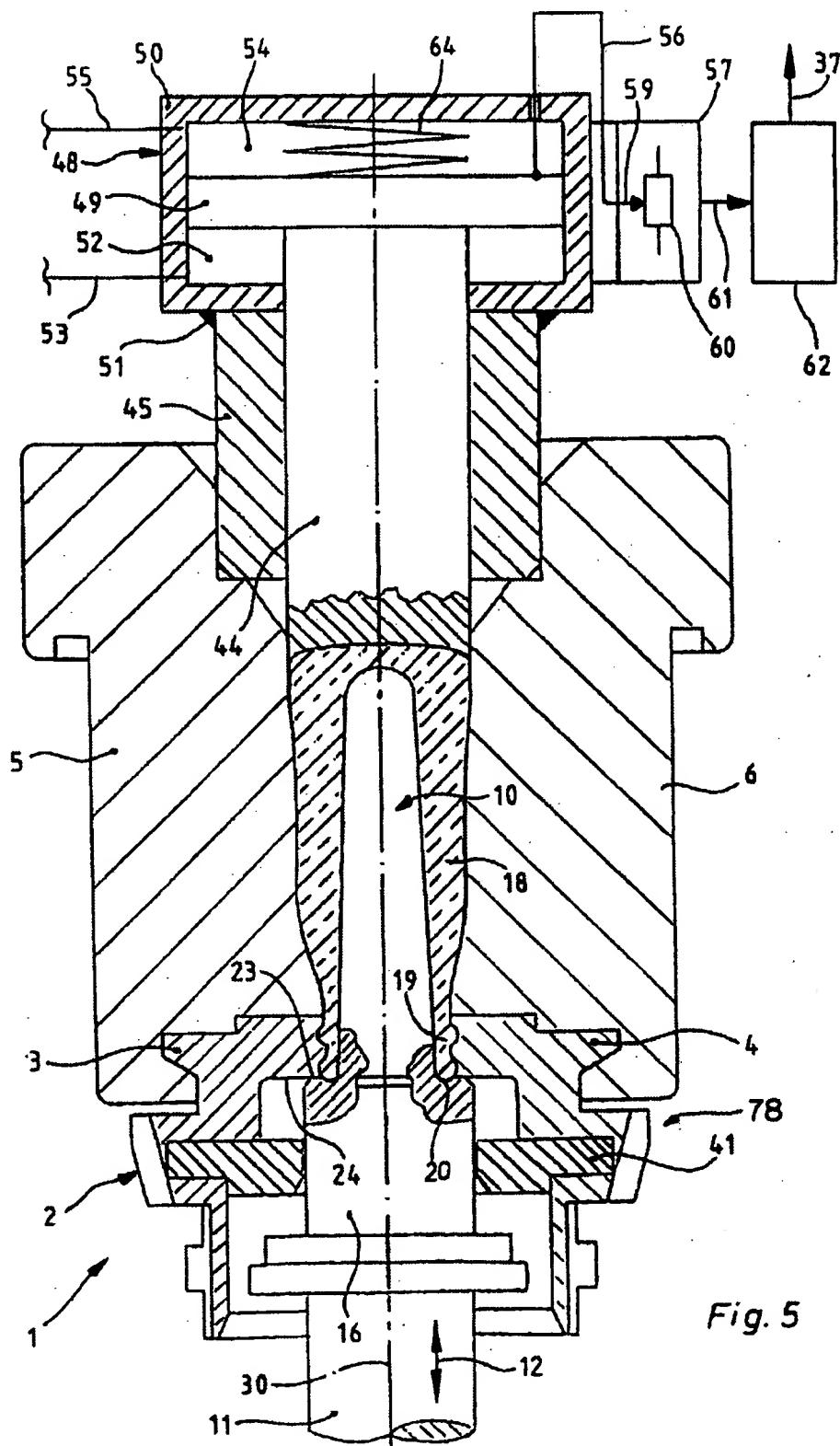


Fig. 5

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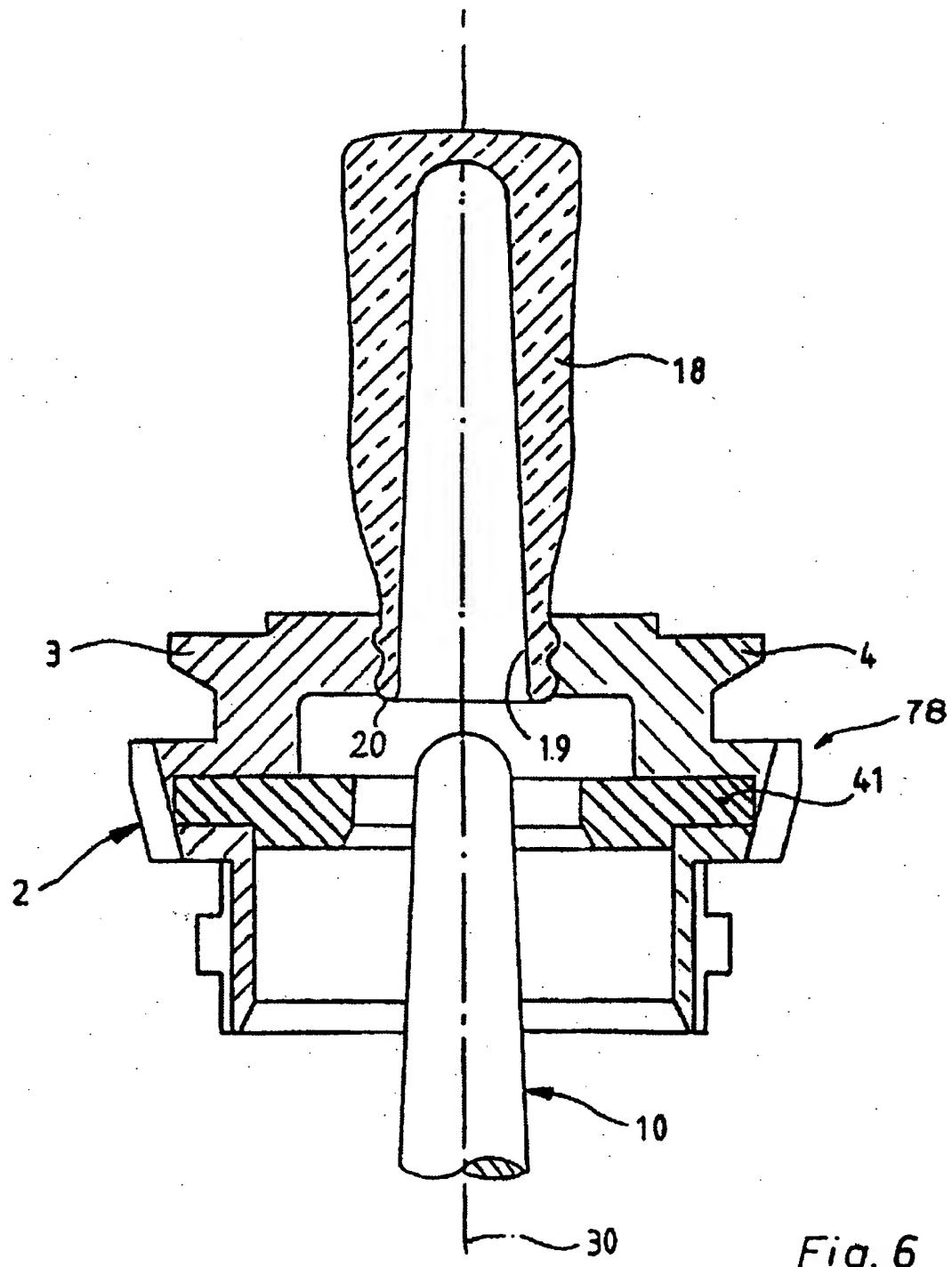


Fig. 6

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Fig. 7

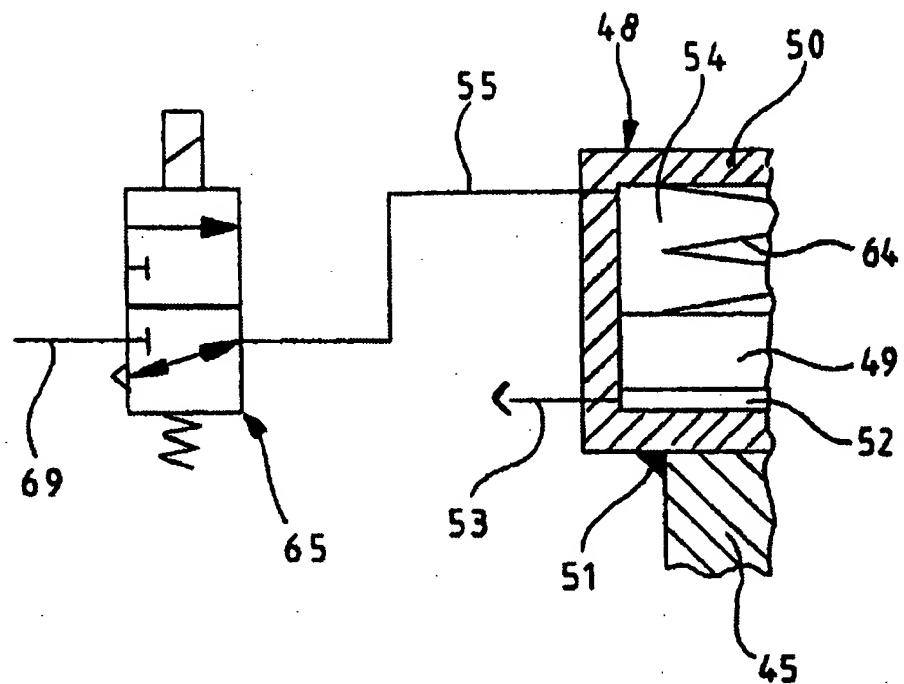
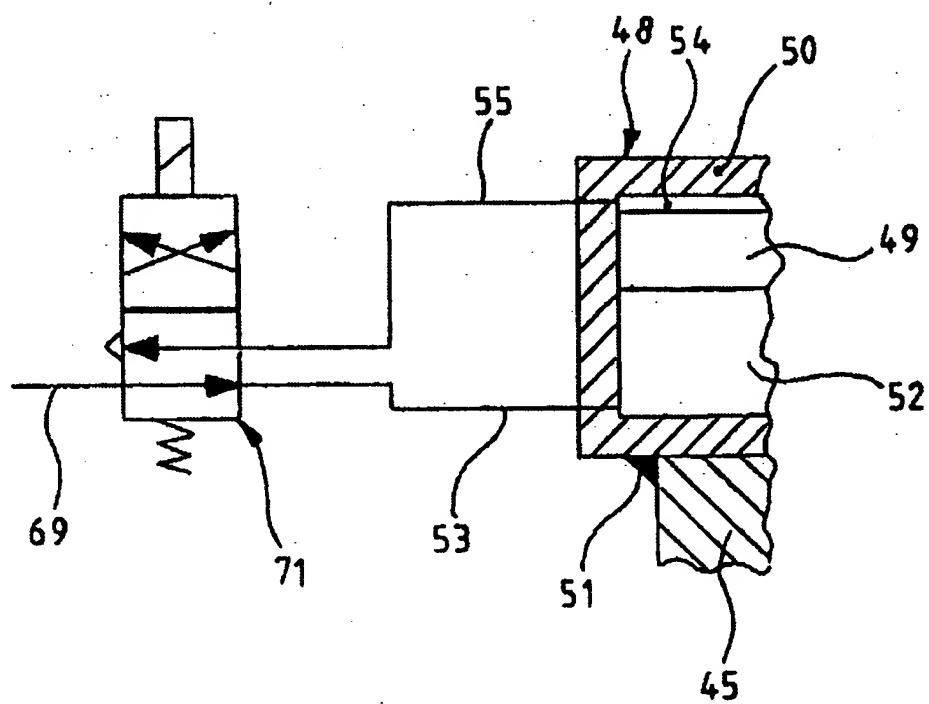


Fig. 8



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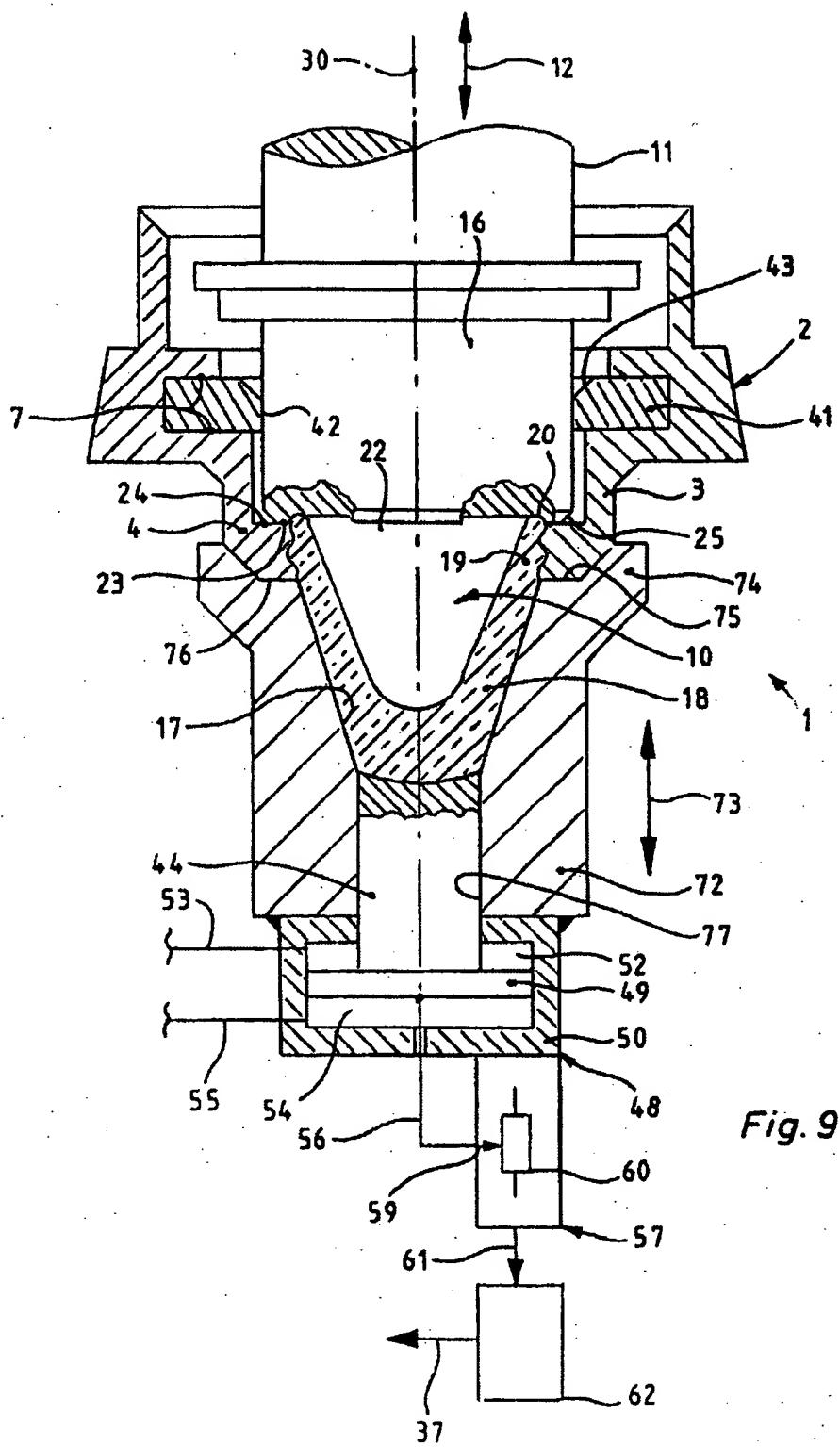


Fig. 9.